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09/847,055

INFORMATION DISCLOSURE

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STATEMENT

APPLICANT(S): P. Stark, et al.

FILING DATE:

GROUP NO.:

May 1, 2001

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UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL S		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
0	AY	5,129,977	7-14-92	Leatherman	156	272.4	12-31-90
	AZ	4,476,184	10-9-84	Lubowitz et al.	428	288	8-9-83
	AAA	5,514,734	5-7-96	Maxfield et al.	523	204	7-10-95
	ABA	5,427,846	7-27-95	McGaffigan et al.	428	328	3-18-94
	ACA	5,208,443	5-4-93	McGaffigan	219	505	9-8-89
	ADA	5,126,521	6-30-92	McGaffigan	219	10.75	1-16-90
•	AEA	4,987,291	11/15/89	McGaffigan et al	219	. 549	11-15-89
4	AFA	5,240,542	8-31-93	Miller et al.	156	-272.4	9-6-90
-	AGA	5,378,879	1-3-95	Monovoukas	129	634	4-20-93
	AHA	5,603,795	2-18-97	Paulauskas et al.	156	272.4	9-1-94
	AIA	5,483,043	1-9-96	Sturman, Jr. et al.	219	.647	11-29-93
	AJA	5,278,377	1-11-94	Tsai	219	759	11-27-91
	AKA	3,391,846	7-9-68	White	229	• 17	4-2-64

FOREIGN PATENT DOCUMENTS

	DOCUMENT					TRANSLATION
	NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES/NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

0	Burnside, S.D. et al., "Synthesis and Properties of New Poly (Dimethylsiloxane) Nanocomposites", September 1995, Chemical Materials, Vol. 7, No. 9, pp. 1597-1600.

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9	CB*	Giannelis, E.P Vol. 8, No. 1, V		yered Silicate Nanocompo n, Germany.	sites", Adva	nced Materials	s, 1996, pp. 29-35,	
	CC*			cial Effects on the Reinform 379-384, Vol. 28, Elsevier			ner Organoclay	
	CD*		1993, Journa	of Nylon 6-Clay Hybrid by I of Polymer Science, Part				
	CE*			ure and Dynamics of Polyr 1728-1734, Vol. 8, No. 8				
	CF*			ed Epoxy Nanocomposites temical Society.	s", 1994 Che	emical Materia	ls, Vol. 6,	
	CG*			telet Dispersion in A Polyr Elsevier Science BV.	ner Matrix",	, Materials Let	ters, Octiober	
	СН*	Silsesquioxane	Ukrainczyk, L. et al., "Template Synthesis and Characterization of layered Al- and Mg-Silsesquioxanes", 1997, Journal of Physical chemistry, B, Vol. 101, No. 4, pp. 5310539, America Chemical Society.					
	CI*	Layered Silicat	Vaia, R.A. et al., "Microstructural Evolution of Melt Intercalated Polymer—Organically Modified Layered Silicates Nanocomposites", 1996, Chemical Materials, Vol. 8, pp. 2628-2635, American Chemical Society.					
	CJ*		n of polymer l	and Properties of Two-Dim Melts in Layered Silicates" ical Society				
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FORM PTO-1449

STATEMENT

INFORMATION DISCLOSURE

DOCKET NO:

SERIAL NO.:

55223 CIP2

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APPLICANT(S): P. Stark, et al.

FILING DATE:

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Q	AA	5,552,469	9-3-96	Beall et al.	524	445	6-7-95
Ì	AB	4,745,264	5-17-88	Carter	219	553	10-30-84
	AC	5,133,710	7-28-92	Carter, Jr. et al.	606	28	11-29-89
	AD	5,300,750	4-5-94	Carter, Jr. et al.	219	605	10-10-91
	AE	5,294,763	3-15-94	Chamberlain et al.	219	729	9-26-90
	AF	6,048,599	4-11-00	Chu et al.	428	114	1-17-97
	AG	5,272,216	12-21-93	Clark, Jr. et al.	525	362	12-28-90
	AH	5,391,595	2-21-95	Clark, Jr. et al.	523	300	3-3-94
	AI	4,877,944	10-31-89	Cowell et al.	219	548	6-8-82
,				Dickens et al.	219	10.491	2-16-90
	AJ	5,134,265	7-28-92				
	AK	5,643,390	7-1-97	Don et al	156	307.1	5-4-95
1	AL	5,198,053	3-30-93	Duncan	156	64	8-8-91
1	AM	5,538,581	7-23-96	Gallant	156	272.4	2-2-95
<u>Ce</u>	AN	5,554,670	9-10-96	Giannelis et al.	523	209	9-12-94
	AO	5,304,269	4-19-94	Jacaruso	156	94	9-16-92
	AP	3,461,014	8-12-69	James	156	272	6-11-64
 	AQ	4,680,140	7-14-87	Kageyama	252	512	1-29-86
	AR	4,776,979	10-11-88	Kageyama	252	512	3-23-87
	AS	5,938,979	8-17-99	Kambe et al.	252	500	10-31-97
	AT	5,248,864	9-28-93	Kodokian	219	10.41	7-30-91
	AU	5,340,428	8-23-94	Kodokian	156	272.2	11-20-92
1	AV	2,393,541	1-22-46	Kohler	156	272.4	5-21-43
Q.	AW	4,969,968	11-13-90	Leatherman	156	272.4	6-22-88
	AX	5,481,799	1-9-96	McGaffigan et al.	29	879	4-12-94
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FORM PTO-1449 DOCKET NO: SERIAL NO.: 09/847,055 55223 CIP2 INFORMATION DISCLOSURE APPLICANT(S): P. Stark, et al. **STATEMENT** FILING DATE: **GROUP NO.:** May 1, 2001 Unassigned UNITED STATES PATENT DOCUMENTS EXAM. DOCUMENT FILING DATE INITIALS NUMBER IF APPROPRIATE DATE NAME **CLASS** SUBCLASS DOCUMENT **TRANSLATION** NUMBER DATE COUNTRY CLASS **SUBCLASS** YES/NO OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) Burnside, S.D. et al., "Synthesis and Properties of New Poly (Dimethylsiloxane) Nanocomposites", September 1995, Chemical Materials, Vol. 7, No. 9, pp. 1597-1600. Giannelis, E.P., "Polymer Layered Silicate Nanocomposites", Advanced Materials, 1996, pp. 29-35, Vol. 8, No. 1, VCH, Weinham, Germany. Hengzhen S., et al., "Interfacial Effects on the Reinforcement Properties of polymer Organiclay CC Nanocompositee", 1996, pp. 1584-1587, Vol. 8, No. 8, Chemical Materials, Elsevier Science BV. CD Kojima, Y. et al., "Synthesis of Nylon 6-Clay Hybrid by Montmorillonite Intercalculated with - & Caprolactam", 1993, Journal of Polymer Science, Part A, Vol. 31, pp. 983-986, John Wiley & Sons, New York CE Krishnamoorti et al. "Structure and Dynamics of Polymer-Layered Silicate Nanocomposites", Chemical Metrials, 1996, pp. 1728-1734, Vol. 8, No. 8, Amercian Chemical Society. CF Lan, T, et al., "Clay Reinforced Epoxy Nanocomposites", 1994 Chemical Materials, Vol. 6, pp.2216-2219, American Chemical Society. CG Muzny, C.D. et al., "Clay Platelet Dispersion in A Polymer Matrix", Materials Letters, October 1996, pp. 379-384 Vol. 28, Elsevier Science BV. CH | Ukrainczyk, L. et al., "Template Synthesis and Characterization of layered Al- and Mg-Silsesquioxanes", 1997, Journal of Physical chemistry, B. Vol. 101, No. 4, pp. 531-539, American Chemical Society. Vaia, R.A. et al., "Microstructural Evolution of Melt Intercalated Polymer—Organically Modified Layered Silicates Nanocomposites", 1996, Chemical Materials, Vol. 8, pp.-2628-2635, American Chemical Society. CJ Vala, R-A et al., "Synthesis and Properties of Two Dimensional Nanostructures by Direct Intercalculation of polymer Melts in Layered Silicates", 1993, Chemical Materials, Vol. 5, pp. 1694-1696, American Chemical Society EXAMINER: 11/4/04

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0	ALA	6,137,093	10/24/2000	Johnson, Jr.	219	634	
0	AMA	6,056,844	05/02/2000	Guiles, et al.	156	272.4	
	ANA	6,048,599	04/11/2000	Chu, et al.	428	114	
	AOA	4,969,968	11/13/1990	Leatherman	156	272.4	
0	APA	3,574,031	04/06/1971	Heller Jr. et al.	156	273	
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APPLICANT(S): P. Stark, et al.

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	AA	2,393,54 1	01/22/1946	Kohler	20	0.5	
	AB	3 ,391,849	07/09/1968	White, et al.	229	17	
0	AC	3,802,985	04/09/1974	Leatherman	156	244	
Q	AD	4,486,496	12/04/1984	Dezawa, et al.	428	328	
Q	AE	4,427,481	01/24/1984	Smith et al.	156	306.6	
Q	AF	4,693,775	09/15/1987	Harrison, et al.	156	272.4	
C	AG	5,123,989	06/23/1992	Horiishi, et al.	156	272.4	
	AH	_ 5,248,864	09/28 /1993	Kodokian -	219	10.41	
Q	ΑI	5,523,549	06/04/1996	Tenzer	219	730	

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